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Wahl INSTRUMENTS, INC.

New! Wahl Heat Spy® Imager
HSI1000 Hand Held Thermal Imager

Point - Shoot - Save
Label Image with Temperature, Date and Time

Introducing Wahl's New Heat Spy® Hand Held Thermal Imager. Ergonomically designed, flexible and easy to use, this low cost product can be used in a variety of applications. The Heat Spy Imager has a optional pistol grip handle which holds virtually any "Pocket PC", or compatible "Palm" device which combine as a processor, display unit and storage device. Output can also be displayed and processed in real time using a PC*.

The system is designed for one or two handed operation. For one handed operation, both the Imager and the user provided "Pocket PC" or "Palm" device can be attached to the handle to form a single integrated lightweight unit. For two handed operation, the Imager can be quickly detached from the handle leaving the "Pocket PC" or "Palm" device held in the second hand, as shown at right above.

HSI1000 shown alone, and mounted on the optional H100 Pistol Grip Handle with a "Pocket PC" mounted on the back, allowing single handed use.

- **User selectable sensitivity settings, off set control and emissivity values**
- **Auto adjust sensitivity/range**
- **"Pocket PC"/ "Palm" device: two move able temperature measurement cursors.**
- **PC up to ten moveable temperature measurement cursors**
- **User selectable image integration: 1 to 10 frames**
- **Readout in °C, °F and K**
- **Shipped with Software for Pocket PC, Palm & PC RS232 2m Connection Cable, User Manual, AC Power Adapter and Carrying Case.**

Accessories:

- **H100 - Pistol Grip Handle**
- **NIST TI- Recalibration with Certificate**

Applications

- Predictive and Preventive Maintenance
- Process Monitoring
- Research and Development
- HVAC Troubleshooting
- General Industrial/Domestic
- Vehicle Maintenance

CE

Specifications			
Model Number	**HSI1000**	**HSI1001**	**HSI1002**
	Hand Held Imager	**Hand Held Imager High Accuracy Option**	**Hand Held Imager High Temperature Option**
Temperature Range	14° to 572°F -10° to 300°C	86° to 572°F 30° to 300°C	212° to 1832°F 100° to 1000°C
Field of View	**20° x 20°**		
Model Number	**HSI1003**	**HSI1004**	**HSI1005**
	Hand Held Imager Narrow Field of View	**Hand Held Imager High Accuracy Option Narrow Field of View**	**Hand Held Imager High Temperature Option Narrow Field of View**
Temperature Range	14° to 572°F -10° to 300°C	86° to 572°F 30° to 300°C	212° to 1832°F 100° to 1000°C
Field of View	**10° x 10°**		
Measurement Array	16 x 16	Central 12 x 12	Central 12 x 12
Accuracy @ Ambient Temp of 23°C	Not Defined	±2°C or ±2% Whichever is greater	±30°C
Spectral Response	8 to 14 micrometers		
Sensitivity	0.3K @ 30°C		
Displayed Image	96 x 96 pixels		
Detector	16 x 16 pixel array		
Frame Rate	8 Hz		
Image Storage	Up to 1000 images per MB of Memory		
Laser Pointer	Built in Class II Laser highlights reference pixel		
Operating Range	23° to 122°F (-5° to 50°C)		
Storage Range	-40° to 176°F (-20° to 80°C)		
Humidity	10% to 90% non condensing		
Power	4 x AA Alkaline Batteries		
Operating Time	up to 8 hours		
AC Operation	AC adapter included		
Housing	Impact Resistant Plastic		
Dimensions	4.72 x 4.92 x 3.14 inches (120 x 125 x 80 mm)		
Weight	21 ounces (< 600 grams) w/o Palm Device & Handle		
Mounting	Handheld and Tripod Mounting		

**** Software compatibility: Pocket PC: Microsoft "Pocket PC" 2000, 2002, and 2003. Palm: OS5 and higher. PC: Windows 2000, and XP.***

Calibration Services Available

PALMER Wahl INSTRUMENTATION GROUP

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